



TRADE AND COMMERCE
CANADA

SD-EA.277b
(Supplementary
to SD-EA.277)

STANDARDS DIVISION

OTTAWA,.....January 10, 1957.

TYPE APPROVAL

AUXILIARY DEVICES FOR USE
WITH G.E. IMPULSE-OPERATED TOTALIZING SYSTEMS

The apparatus specified herein has been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Auxiliary Devices for use with impulse-operated totalizing systems as manufactured by the General Electric Company, U.S.A., and distributed in Canada by the Canadian General Electric Company Limited, Toronto, Ontario, and including:-

Types "C-14", "C-16" and "C-19" contact-making clocks
Type "D-5" contact-making device
Types "S-1", "S-2", "R-6", "R-7" and "R-8" auxiliary relays.

Description: The contact-making clock used to control the timing interval of types "PD-7" and "PD-3" demand meters is type "C-14" with a synchronous-motor drive. The same type clock for use externally with types "PD-5" and "PD-6" demand meters is designated type "C-16" when designed for surface mounting and as type "C-19" when designed for flush mounting. Type "C-13" is a spring-wound clock and was approved in 1933 for use with types "PD-5" and "PD-6" demand meters.

Type "D-13" contact-making device was approved in 1933 and is suitable for use with an impulse-operated demand meter or an additive-type totalizing relay but should not be used with a differential-type relay. The type "D-5" contact-making device is similar to type "D-13" and is mechanically interchangeable with it but the contacts are arranged to operate either additive-type or differential-type totalizing relays.

Auxiliary relays types "S-1" and "S-2" are similar to each other except that the former is for surface mounting and the latter is for flush mounting. These relays are normally used in the impulse transmission circuit when the load on the contact devices is greater than 15 voltamperes.

An auxiliary relay type "R-6", "R-7" or "R-8" is required when more than two "PD-5" or "PD-6" demand meters are to operate from one contact-making clock. These relays are all identical in operation, the only difference being in the cases and the type of connections.

Canadian General Electric watt-hour meters have a "U" added to their type designation when equipped with contact-making devices. Thus a "DS-43" meter becomes a "DSW-43" when used for impulse transmission.

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